GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: March 7, 2005, 07:04:37 ; Search time 26.9735 Seconds
(without alignments)
702.945 Million cell updates/sec

Title: US-09-939-537-33
Perfect score: 1385
Sequence: 1 EPKSCDKTHTCPPCPAPELL.....DETCAEAQDGELDGLWTTDP 254

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	1385	100.0	254	2	US-08-284-391B-33	Sequence 33, Appl
2	1385	100.0	254	3	US-09-218-950-33	Sequence 33, Appl
3	1385	100.0	254	4	US-08-394-388A-33	Sequence 33, Appl
4	1258	90.8	232	2	US-08-595-043A-50	Sequence 50, Appl
5	1258	90.8	232	4	US-09-968-362A-26	Sequence 26, Appl
6	1258	90.8	331	3	US-09-178-869-2	Sequence 2, Appli
7	1258	90.8	331	4	US-09-761-413-2	Sequence 2, Appli
8	1258	90.8	360	3	US-09-180-100-11	Sequence 11, Appl
9	1258	90.8	371	1	US-08-236-311-7	Sequence 7, Appli
10	1258	90.8	371	3	US-08-457-918-7	Sequence 7, Appli
11	1258	90.8	371	4	US-10-157-408-7	Sequence 7, Appli
12	1258	90.8	376	3	US-09-180-100-22	Sequence 22, Appl
13	1258	90.8	396	2	US-08-784-512-3	Sequence 3, Appli
14	1258	90.8	396	3	US-09-176-228-3	Sequence 3, Appli
15	1258	90.8	424	5	PCT-US95-03866-12	Sequence 12, Appl
16	1258	90.8	424	5	PCT-US95-03866-14	Sequence 14, Appl
17	1258	90.8	437	5	PCT-US96-10043-11	Sequence 11, Appl
18	1258	90.8	442	4	US-08-472-888A-7	Sequence 7, Appli
19	1258	90.8	442	5	PCT-US96-10043-9	Sequence 9, Appli
20	1258	90.8	446	3	US-08-397-411-7	Sequence 7, Appli
21	1258	90.8	449	1	US-08-458-516-13	Sequence 13, Appl
22	1258	90.8	452	4	US-09-773-877B-16	Sequence 16, Appl
23	1258	90.8	459	1	US-08-157-101A-7	Sequence 7, Appli
24	1258	90.8	462	4	US-09-773-877B-18	Sequence 18, Appl
25	1258	90.8	467	4	US-08-030-175-41	Sequence 41, Appl
26	1258	90.8	467	4	US-08-030-175-42	Sequence 42, Appl
27	1258	90.8	475	4	US-09-740-002-27	Sequence 27, Appl
28	1258	90.8	476	2	US-08-378-939-10	Sequence 10, Appl
29	1258	90.8	476	3	US-08-487-550-4	Sequence 4, Appli
30	1258	90.8	476	3	US-08-487-550-12	Sequence 12, Appl
31	1258	90.8	476	4	US-09-526-098-4	Sequence 4, Appli
32	1258	90.8	476	4	US-09-526-098-12	Sequence 12, Appl
33	1258	90.8	476	4	US-09-383-916-4	Sequence 4, Appli
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35	1258	90.8	478	3	US-08-487-550-8	Sequence 8, Appli
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37	1258	90.8	478	4	US-09-383-916-8	Sequence 8, Appli
38	1258	90.8	497	4	US-09-499-846-6	Sequence 6, Appli
39	1258	90.8	525	4	US-09-499-846-4	Sequence 4, Appli
40	1258	90.8	547	4	US-09-746-359A-54	Sequence 54, Appl
41	1258	90.8	557	4	US-09-773-877B-14	Sequence 14, Appl
42	1258	90.8	567	4	US-09-825-561A-16	Sequence 16, Appl
43	1258	90.8	567	4	US-09-773-877B-12	Sequence 12, Appl
44	1258	90.8	567	4	US-09-773-877B-20	Sequence 20, Appl
45	1258	90.8	571	4	US-09-746-359A-53	Sequence 53, Appl

ALIGNMENTS

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RESULT 1
US-08-284-391B-33
; Sequence 33, Application US/08284391B
; Patent No. 5851828
;  GENERAL INFORMATION:
;    APPLICANT:  Seed, Brian
;    APPLICANT:  Banapour, Babak
;    APPLICANT:  Romeo, Charles
;    APPLICANT:  Kolanus, Waldemar
;    TITLE OF INVENTION:  TARGETED CYTOLYSIS OF HIV-INFECTED
;    TITLE OF INVENTION:  CELLS BY CHIMERIC CD4 RECEPTOR- BEARING CELLS
;    NUMBER OF SEQUENCES:  53
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Clark & Elbing LLP
;      STREET:  176 Federal Street
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02110
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/284,391B
;      FILING DATE:  02-AUG-1994
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/195,395
;      FILING DATE:  14-FEB-1994
;      APPLICATION NUMBER:  07/847,566
;      FILING DATE:  06-MAR-1992
;      APPLICATION NUMBER:  07/665,961
;      FILING DATE:  07-MAR-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Elbing, Karen L
;      REGISTRATION NUMBER:  35,238
;      REFERENCE/DOCKET NUMBER:  00786/247001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-428-0200
;      TELEFAX:  617-428-7045
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  33:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  254 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
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US-08-284-391B-33

  Query Match             100.0%;  Score 1385;  DB 2;  Length 254;
  Best Local Similarity   100.0%;  Pred. No. 3.3e-131;
  Matches  254;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60

Qy         61 NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120

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              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Qy        181 PVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGLQLDETCAE 240
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Db        181 PVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGLQLDETCAE 240

Qy        241 AQDGELDGLWTTDP 254
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RESULT 2
US-09-218-950-33
; Sequence 33, Application US/09218950
; Patent No. 6284240
;  GENERAL INFORMATION:
;    APPLICANT:  Seed, Brian
;    APPLICANT:  Banapour, Babak
;    APPLICANT:  Romeo, Charles
;    APPLICANT:  Kolanus, Waldemar
;    TITLE OF INVENTION:  TARGETED CYTOLYSIS OF HIV-INFECTED
;    TITLE OF INVENTION:  CELLS BY CHIMERIC CD4 RECEPTOR- BEARING CELLS
;    NUMBER OF SEQUENCES:  53
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Clark & Elbing LLP
;      STREET:  176 Federal Street
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02110
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/218,950
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/284,391
;      FILING DATE:  02-AUG-1994
;      APPLICATION NUMBER:  08/195,395
;      FILING DATE:  14-FEB-1994
;      APPLICATION NUMBER:  07/847,566
;      FILING DATE:  06-MAR-1992
;      APPLICATION NUMBER:  07/665,961
;      FILING DATE:  07-MAR-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Elbing, Karen L
;      REGISTRATION NUMBER:  35,238
;      REFERENCE/DOCKET NUMBER:  00786/247001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-428-0200
;      TELEFAX:  617-428-7045
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  33:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  254 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-09-218-950-33

  Query Match             100.0%;  Score 1385;  DB 3;  Length 254;
  Best Local Similarity   100.0%;  Pred. No. 3.3e-131;
  Matches  254;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
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Db          1 EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60

Qy         61 NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120

Qy        121 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP 180
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Qy        181 PVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGLQLDETCAE 240
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Qy        241 AQDGELDGLWTTDP 254
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RESULT 3
US-08-394-388A-33
; Sequence 33, Application US/08394388A
; Patent No. 6753162
;  GENERAL INFORMATION:
;    APPLICANT:  Seed, Brian
;    APPLICANT:  Banapour, Babak
;    APPLICANT:  Romeo, Charles
;    APPLICANT:  Kolanus, Waldemar
;    TITLE OF INVENTION:  TARGETED CYTOLYSIS OF HIV-INFECTED
;    TITLE OF INVENTION:  CELLS BY CHIMERIC CD4 RECEPTOR- BEARING CELLS
;    NUMBER OF SEQUENCES:  53
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Clark & Elbing LLP
;      STREET:  176 Federal Street
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02110
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/394,388A
;      FILING DATE:  24-FEB-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/284,391
;      FILING DATE:  02-AUG-1994
;      APPLICATION NUMBER:  08/195,395
;      FILING DATE:  14-FEB-1994
;      APPLICATION NUMBER:  07/847,566
;      FILING DATE:  06-MAR-1992
;      APPLICATION NUMBER:  07/665,961
;      FILING DATE:  07-MAR-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Elbing, Karen L
;      REGISTRATION NUMBER:  35,238
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;      REFERENCE/DOCKET NUMBER:  00786/247001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-428-0200
;      TELEFAX:  617-428-7045
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  33:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  254 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-394-388A-33

  Query Match             100.0%;  Score 1385;  DB 4;  Length 254;
  Best Local Similarity   100.0%;  Pred. No. 3.3e-131;
  Matches  254;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
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Db          1 EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60

Qy         61 NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120

Qy        121 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP 180
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Db        121 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP 180

Qy        181 PVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGLQLDETCAE 240
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Db        241 AQDGELDGLWTTDP 254


RESULT 4
US-08-595-043A-50
; Sequence 50, Application US/08595043A
; Patent No. 5935824
;  GENERAL INFORMATION:
;    APPLICANT:  SGARLATO, GREGORY D.
;    TITLE OF INVENTION:  PROTEIN EXPRESSION SYSTEM
;    NUMBER OF SEQUENCES:  90
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MEDLEN & CARROLL
;      STREET:  220 MONTGOMERY STREET, SUITE 2200
;      CITY:  SAN FRANCISCO
;      STATE:  CALIFORNIA
;      COUNTRY:  UNITED STATES OF AMERICA
;      ZIP:  94104
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/595,043A
;      FILING DATE:  31-JAN-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  CARROLL, PETER G.
;      REGISTRATION NUMBER:  32,837
;      REFERENCE/DOCKET NUMBER:  SGAR-00371
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 705-8410
;      TELEFAX:  (415) 397-8338
;  INFORMATION FOR SEQ ID NO:  50:
;    SEQUENCE CHARACTERISTICS:
;     LENGTH: 232 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-595-043A-50

  Query Match             90.8%;  Score 1258;  DB 2;  Length 232;
  Best Local Similarity   100.0%;  Pred. No. 1.8e-118;
  Matches  231;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Qy         61 NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120
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Qy        121 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Qy        181 PVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG 231
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RESULT 5
US-09-968-362A-26
; Sequence 26, Application US/09968362A
; Patent No. 6797493
; GENERAL INFORMATION:
;  APPLICANT: Sun, Lee-Hwei K
;  APPLICANT:  Sun, Bill
;  APPLICANT:  Sun, Cecily R
;  TITLE OF INVENTION: Fc fusion proteins of human granulocyte colony-stimulaing factor v
;  TITLE OF INVENTION:  increased biological activities
;  FILE REFERENCE: 03SUN2001
;  CURRENT APPLICATION NUMBER: US/09/968,362A
;  CURRENT FILING DATE:  2001-10-01
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 26
;   LENGTH: 232
;   TYPE: PRT
;   ORGANISM: Human IgG1 Fc with native hinge, CH2 and CH3 domains
US-09-968-362A-26

  Query Match             90.8%;  Score 1258;  DB 4;  Length 232;
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  Matches  231;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Qy         61 NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120
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Db         61 NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120

Qy        121 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP 180
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Qy        181 PVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG 231
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RESULT 6
US-09-178-869-2
; Sequence 2, Application US/09178869B
; Patent No. 6197294
; GENERAL INFORMATION:
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;  APPLICANT: Tao, Weng
;  APPLICANT: Wong, Shou
;  APPLICANT: Hickey, William F
;  APPLICANT: Hammang, Joseph P.
;  APPLICANT: Baetge, E. Edward
;  TITLE OF INVENTION: CELL SURFACE-INDUCED MACROPHAGE ACTIVATION
;  FILE REFERENCE: 17810-043
;  CURRENT APPLICATION NUMBER: US/09/178,869B
;  CURRENT FILING DATE: 1998-10-26
;  NUMBER OF SEQ ID NOS: 14
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
;   LENGTH: 331
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-178-869-2

  Query Match             90.8%;  Score 1258;  DB 3;  Length 331;
  Best Local Similarity   100.0%;  Pred. No. 3e-118;
  Matches  231;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
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Qy        121 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        220 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP 279

Qy        181 PVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG 231
              |||||||||||||||||||||||||||||||||||||||||||||||||||
Db        280 PVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG 330


RESULT 7
US-09-761-413-2
; Sequence 2, Application US/09761413
; Patent No. 6506891
; GENERAL INFORMATION:
;  APPLICANT: Tao, Weng
;  APPLICANT:  Wong, Shou
;  APPLICANT:  Hickey, William F
;  APPLICANT:  Hammang, Joseph P.
;  APPLICANT:  Baetge, E. Edward
;  TITLE OF INVENTION: CELL SURFACE-INDUCED MACROPHAGE ACTIVATION
;  FILE REFERENCE: 17810-043
;  CURRENT APPLICATION NUMBER: US/09/761,413
;  CURRENT FILING DATE:  2001-01-16
;  PRIOR APPLICATION NUMBER: US/09/178,869
;  PRIOR FILING DATE: 1998-10-26
;  NUMBER OF SEQ ID NOS: 14
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
;   LENGTH: 331
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-761-413-2

  Query Match             90.8%;  Score 1258;  DB 4;  Length 331;
  Best Local Similarity   100.0%;  Pred. No. 3e-118;
  Matches  231;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        100 EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 159

Qy         61 NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        160 NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 219

Qy        121 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        220 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP 279

Qy        181 PVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG 231
              |||||||||||||||||||||||||||||||||||||||||||||||||||
Db        280 PVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG 330


RESULT 8
US-09-180-100-11
; Sequence 11, Application US/09180100
; Patent No. 6306395
; GENERAL INFORMATION:
;  APPLICANT: NAKAMURA, No. 6306395io
;  APPLICANT: NAGATA, Shigekazu
;  TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE
;  FILE REFERENCE: 1110-207P
;  CURRENT APPLICATION NUMBER: US/09/180,100
;  CURRENT FILING DATE: 1998-11-02
;  EARLIER APPLICATION NUMBER: PCT/JP97/01502
;  EARLIER FILING DATE: 1997-05-01
;  NUMBER OF SEQ ID NOS: 25
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
;   LENGTH: 360
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-180-100-11

  Query Match             90.8%;  Score 1258;  DB 3;  Length 360;
  Best Local Similarity   100.0%;  Pred. No. 3.4e-118;
  Matches  231;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        129 EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 188

Qy         61 NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        189 NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 248

Qy        121 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        249 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP 308

Qy        181 PVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG 231
              |||||||||||||||||||||||||||||||||||||||||||||||||||
Db        309 PVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG 359


RESULT 9
US-08-236-311-7
; Sequence 7, Application US/08236311
; Patent No. 5565335
;  GENERAL INFORMATION:
;    APPLICANT:  Capon, Daniel J.
;    APPLICANT:  Gregory, Timothy J.
;    TITLE OF INVENTION:  Adheson Variants
;    NUMBER OF SEQUENCES:  25
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genentech, Inc.
;      STREET:  460 Point San Bruno Blvd
;      CITY:  South San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94080
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  5.25 inch, 360 Kb floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  patin (Genentech)
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;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/236,311
;      FILING DATE:  02-MAY-1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/936190
;      FILING DATE:  26-AUG-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/842777
;      FILING DATE:  18-FEB-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/250785
;      FILING DATE:  28-SEP-1988
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/104329
;      FILING DATE:  02-OCT-1987
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hasak, Janet E.
;      REGISTRATION NUMBER:  28,616
;      REFERENCE/DOCKET NUMBER:  444P1C2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415/225-1896
;      TELEFAX:  415/952-9881
;      TELEX:  910/371-7168
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  371 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
US-08-236-311-7

  Query Match             90.8%;  Score 1258;  DB 1;  Length 371;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-118;
  Matches  231;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        140 EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 199

Qy         61 NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        200 NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 259

Qy        121 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        260 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP 319

Qy        181 PVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG 231
              |||||||||||||||||||||||||||||||||||||||||||||||||||
Db        320 PVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG 370


RESULT 10
US-08-457-918-7
; Sequence 7, Application US/08457918
; Patent No. 6117655
;  GENERAL INFORMATION:
;    APPLICANT:  Capon, Daniel J.
;    APPLICANT:  Gregory, Timothy J.
;    TITLE OF INVENTION:  Adheson Variants
;    NUMBER OF SEQUENCES:  25
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genentech, Inc.
;      STREET:  460 Point San Bruno Blvd
;      CITY:  South San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94080
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  5.25 inch, 360 Kb floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  patin (Genentech)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/457,918
;      FILING DATE:  1-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/236311
;      FILING DATE:  02-MAY-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/936190
;      FILING DATE:  26-AUG-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/842777
;      FILING DATE:  18-FEB-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/250785
;      FILING DATE:  28-SEP-1988
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/104329
;      FILING DATE:  02-OCT-1987
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Kubinec, Jeffrey S.
;      REGISTRATION NUMBER:  36,575
;      REFERENCE/DOCKET NUMBER:  P0444P1C3
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415/225-8228
;      TELEFAX:  415/952-9881
;      TELEX:  910/371-7168
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  371 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
US-08-457-918-7

  Query Match             90.8%;  Score 1258;  DB 3;  Length 371;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-118;
  Matches  231;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        140 EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 199

Qy         61 NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        200 NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 259

Qy        121 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        260 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP 319

Qy        181 PVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG 231
              |||||||||||||||||||||||||||||||||||||||||||||||||||
Db        320 PVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG 370


RESULT 11
US-10-157-408-7
; Sequence 7, Application US/10157408
; Patent No. 6710169
;  GENERAL INFORMATION:
;       APPLICANT: Capon, Daniel J.
;                  Gregory, Timothy J.
;       TITLE OF INVENTION: Adheson Variants
;       NUMBER OF SEQUENCES: 25
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Genentech, Inc.
;            STREET: 460 Point San Bruno Blvd
;            CITY: South San Francisco
;            STATE: California
;            COUNTRY: USA
;            ZIP: 94080
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
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;              COMPUTER: IBM PC compatible
;              OPERATING SYSTEM: PC-DOS/MS-DOS
;              SOFTWARE: patin (Genentech)
;         CURRENT APPLICATION DATA:
;              APPLICATION NUMBER: US/10/157,408
;              FILING DATE: 28-May-2002
;              CLASSIFICATION: 435
;         PRIOR APPLICATION DATA:
;              APPLICATION NUMBER: US/08/457,918
;              FILING DATE: 1-JUN-1995
;              APPLICATION NUMBER: 08/236311
;              FILING DATE: 02-MAY-1994
;              APPLICATION NUMBER: 07/936190
;              FILING DATE: 26-AUG-1992
;              APPLICATION NUMBER: 07/842777
;              FILING DATE: 18-FEB-1992
;              APPLICATION NUMBER: 07/250785
;              FILING DATE: 28-SEP-1988
;              APPLICATION NUMBER: 07/104329
;              FILING DATE: 02-OCT-1987
;         ATTORNEY/AGENT INFORMATION:
;              NAME: Kubinec, Jeffrey S.
;              REGISTRATION NUMBER: 36,575
;              REFERENCE/DOCKET NUMBER: P0444P1C3
;         TELECOMMUNICATION INFORMATION:
;              TELEPHONE: 415/225-8228
;              TELEFAX: 415/952-9881
;              TELEX: 910/371-7168
;    INFORMATION FOR SEQ ID NO: 7:
;         SEQUENCE CHARACTERISTICS:
;              LENGTH: 371 amino acids
;              TYPE: amino acid
;              TOPOLOGY: linear
;         SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-10-157-408-7

  Query Match             90.8%;  Score 1258;  DB 4;  Length 371;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-118;
  Matches  231;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        140 EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 199

Qy         61 NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        200 NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 259

Qy        121 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        260 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP 319

Qy        181 PVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG 231
              |||||||||||||||||||||||||||||||||||||||||||||||||||
Db        320 PVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG 370


RESULT 12
US-09-180-100-22
; Sequence 22, Application US/09180100
; Patent No. 6306395
; GENERAL INFORMATION:
;  APPLICANT: NAKAMURA, No. 6306395io
;  APPLICANT: NAGATA, Shigekazu
;  TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE
;  FILE REFERENCE: 1110-207P
;  CURRENT APPLICATION NUMBER: US/09/180,100
;  CURRENT FILING DATE: 1998-11-02
;  EARLIER APPLICATION NUMBER: PCT/JP97/01502
;  EARLIER FILING DATE: 1997-05-01
;  NUMBER OF SEQ ID NOS: 25
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 22
;  LENGTH: 376
;  TYPE: PRT
;  ORGANISM: Homo sapiens
US-09-180-100-22

  Query Match             90.8%;  Score 1258;  DB 3;  Length 376;
  Best Local Similarity   100.0%;  Pred. No. 3.6e-118;
  Matches  231;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        145 EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 204

Qy         61 NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        205 NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 264

Qy        121 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        265 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP 324

Qy        181 PVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG 231
              |||||||||||||||||||||||||||||||||||||||||||||||||||
Db        325 PVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG 375


RESULT 13
US-08-784-512-3
; Sequence 3, Application US/08784512
; Patent No. 5872209
;  GENERAL INFORMATION:
;    APPLICANT:  BARTNIK, Eckart
;    APPLICANT:  EIDENMUELLER, Bernd
;    APPLICANT:  BUETTNER, Frank
;    APPLICANT:  CATERSON, Bruce
;    APPLICANT:  HUGHES, Clare
;    TITLE OF INVENTION:  An artificial recombinant substrate (rAGG 1)
;    TITLE OF INVENTION:  and native aggrecan to study the proteolytic activity of
;    TITLE OF INVENTION:  "Aggrecanase" in cell culture systems
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  Suite 500, 3000 K Street, N.W.
;      CITY:  Washington, D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/784,512
;      FILING DATE:  17-JAN-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  EP 96100682.2
;      FILING DATE:  18-JAN-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GRANADOS, Patricia D.
;      REGISTRATION NUMBER:  33,683
;      REFERENCE/DOCKET NUMBER:  18748/311
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  396 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
;    FEATURE:
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;      NAME/KEY:  Protein
;      LOCATION:  1..396
US-08-784-512-3

  Query Match             90.8%;  Score 1258;  DB 2;  Length 396;
  Best Local Similarity   100.0%;  Pred. No. 3.9e-118;
  Matches  231;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        165 EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 224

Qy         61 NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        225 NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 284

Qy        121 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        285 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP 344

Qy        181 PVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG 231
              |||||||||||||||||||||||||||||||||||||||||||||||||||
Db        345 PVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG 395


RESULT 14
US-09-176-228-3
; Sequence 3, Application US/09176228
; Patent No. 6180334
;  GENERAL INFORMATION:
;    APPLICANT:  BARTNIK, Eckart
;    APPLICANT:  EIDENMUELLER, Bernd
;    APPLICANT:  BUETTNER, Frank
;    APPLICANT:  CATERSON, Bruce
;    APPLICANT:  HUGHES, Clare
;    TITLE OF INVENTION:  An artificial recombinant substrate (rAGG 1)
;    TITLE OF INVENTION:  and native aggrecan to study the proteolytic activity of
;    TITLE OF INVENTION:  "Aggrecanase" in cell culture systems
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  Suite 500, 3000 K Street, N.W.
;      CITY:  Washington, D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/176,228
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/784,512
;      FILING DATE:  17-JAN-1997
;      APPLICATION NUMBER:  EP 96100682.2
;      FILING DATE:  18-JAN-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GRANADOS, Patricia D.
;      REGISTRATION NUMBER:  33,683
;      REFERENCE/DOCKET NUMBER:  18748/311
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  396 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
;    FEATURE:
;      NAME/KEY:  Protein
;      LOCATION:  1..396
US-09-176-228-3

  Query Match             90.8%;  Score 1258;  DB 3;  Length 396;
  Best Local Similarity   100.0%;  Pred. No. 3.9e-118;
  Matches  231;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        165 EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 224

Qy         61 NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        225 NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 284

Qy        121 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        285 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP 344

Qy        181 PVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG 231
              |||||||||||||||||||||||||||||||||||||||||||||||||||
Db        345 PVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG 395


RESULT 15
PCT-US95-03866-12
; Sequence 12, Application PC/TUS9503866
;  GENERAL INFORMATION:
;    APPLICANT:  CytoMed, Inc. (all states except US)
;    APPLICANT:  Nocka, Karl (US only)
;    APPLICANT:  Lobell, Robert B (US only)
;    TITLE OF INVENTION:  STABILIZED DIMER OF KIT LIGAND AND
;    TITLE OF INVENTION:  FLT-3/FLK-2 LIGAND
;    NUMBER OF SEQUENCES:  36
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Neave
;      STREET:  1251 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  United States of America
;      ZIP:  10020
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/03866
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/220,379
;      FILING DATE:  28-MAR-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Haley Jr, James F
;      REGISTRATION NUMBER:  27,794
;      REFERENCE/DOCKET NUMBER:  CytoMed/2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212-596-9000
;      TELEFAX:  212-596-9090
;  INFORMATION FOR SEQ ID NO:  12:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  424 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
PCT-US95-03866-12

  Query Match             90.8%;  Score 1258;  DB 5;  Length 424;
  Best Local Similarity   100.0%;  Pred. No. 4.3e-118;
  Matches  231;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
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Qy          1 EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        193 EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 252

Qy         61 NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        253 NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 312

Qy        121 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        313 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP 372

Qy        181 PVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG 231
              |||||||||||||||||||||||||||||||||||||||||||||||||||
Db        373 PVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG 423
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Search completed: March 7, 2005, 07:22:54
Job time : 27.9735 secs